

22990

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>B. 10346 (B. A9724)</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 02/ 14469</b>	International filing date (day/month/year) <b>18/12/2002</b>	(Earliest) Priority Date (day/month/year) <b>08/01/2002</b>
Applicant <b>TOP GLASS S.P.A.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 04 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

2☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP 02/14469

## Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Element(1) with very high mechanical resistance and high vibration absorption, comprising at least one internal core(20) composed of at least one first material(2) having predominantly high mechanical characteristics, and united, through chemical bonding only, with at least one second material having predominantly highly elastic characteristics; the embodiment method consists in automatically uniting through chemical bonding a first material with predominantly high mechanical characteristics with at least a second material(3) with predominantly highly elastic characteristics in order to form a core(20) to be coated with at least a third material(11).

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP02/14469

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5530989	A	02-07-1996	CA 2206424 A1	27-06-1996
			DE 69505422 D1	19-11-1998
			DE 69505422 T2	04-03-1999
			EP 0799114 A1	08-10-1997
			ES 2125059 T3	16-02-1999
			JP 10511048 T	27-10-1998
			WO 9619325 A1	27-06-1996
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			DE 69208185 T2	04-07-1996
			EP 0531667 A1	17-03-1993

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/02/14469

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B25G1/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 530 989 A (REMMERT) 2 July 1996 (1996-07-02) column 2, line 8-13 column 2, line 22-26 column 3, line 26-34 column 4, line 55-62; figures	1-7
Y		8
A		13-19
X	US 5 588 343 A (RUST) 31 December 1996 (1996-12-31) column 3, line 19-34; figures	1-4, 9-12
A		5, 13-16, 21, 24
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

27 March 2003

Date of mailing of the international search report

04/04/2003

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP02/14469

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 781 963 A (MARU) 21 July 1998 (1998-07-21)  column 3, line 8-30 column 3, line 63 -column 4, line 2; figures ----	1,2,5,7, 13,14, 17,19, 20,22
X	WO 00 09296 A (THE STANLEY WORKS) 24 February 2000 (2000-02-24) page 5, line 6-15 page 6, line 3-24 page 7, line 14-18; figures ----	1
A		6,9-12, 18
X	US 4 334 563 A (EPEL) 15 June 1982 (1982-06-15)  abstract column 2, line 56-63 column 3, line 11-18; figures ----	1-5, 13-16, 19,21,24
Y		8
X	US 6 311 369 B1 (RYU) 6 November 2001 (2001-11-06)  column 4, line 65 -column 5, line 2 column 5, line 17,18 column 5, line 42-53; figures ----	1-4, 13-16, 21,24
A	US 5 421 931 A (CARMEN) 6 June 1995 (1995-06-06) abstract; figures -----	9,21,22